**MongoDB All Program**

**-----------------------------------------------------------------------------**

**1. create a database**

use collage

**output:-**

switched to db collage

**----------------------------------------------------------------------------------------------------------**

**10. VIEW STORAGE SIZE OF COLLECTION IN MONGODB**

use collage

db.createCollection("stud")

show collections

db.stud.storageSize()

**output:-**

8192

**----------------------------------------------------------------------------------------------------------**

**11. VIEW SIZE OF COLLECTION IN MONGODB**

use collage

db.createCollection("stud")

db.stud.insert({"name":"bhautik","age":20})

db.stud.find()

db.stud.dataSize()

**output:-**

112

**----------------------------------------------------------------------------------------------------------**

**12. insert record in collection**

use collage

db.createCollection("stud")

db.stud.insert({"name":"bhautik","age":20})

db.stud.find()

**output:-**

Inserted 1 record(s) in 1ms

{

"\_id" : ObjectId("62f0968e648b102f9951fa57"),

"name" : "bhautik",

"age" : 20.0

}

**----------------------------------------------------------------------------------------------------------**

**13. insetr record using variable in collection**

use collage

db.createCollection("stud")

var s=[

{

"rlno":1,

"name":"bhautik"

},

{

"rlno":2,

"name":"bhargav"

}

]

db.stud.insert(s)

db.stud.find()

**output:-**

{

"\_id" : ObjectId("62f09d21648b102f9951fa67"),

"rlno" : 1.0,

"name" : "bhautik"

}

{

"\_id" : ObjectId("62f09d21648b102f9951fa68"),

"rlno" : 2.0,

"name" : "bhargav"

}

**----------------------------------------------------------------------------------------------------------**

**14. insert a single documents into a collection.**

use collage

db.createCollection("stud")

db.stud.insertOne(

{

"rlno":1,

"name":"maru"

})

db.stud.find()

**output:-**

{

"acknowledged" : true,

"insertedId" : ObjectId("62f0a0ed648b102f9951fa6a")

}

{

"\_id" : ObjectId("62f09f46648b102f9951fa69"),

"rlno" : 1.0,

"name" : "maru"

}

**----------------------------------------------------------------------------------------------------------**

**15. insert a multiple documents into a collection.**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":1,

"name":"ali"

},

{

"rlno":2,

"name":"dharmesh"

}])

db.stud.find()

**output:-**

{

"acknowledged" : true,

"insertedIds" : [

ObjectId("62f0a28a648b102f9951fa70"),

ObjectId("62f0a28a648b102f9951fa71")

]

}

{

"\_id" : ObjectId("62f0a238648b102f9951fa6e"),

"rlno" : 1.0,

"name" : "ali"

}

{

"\_id" : ObjectId("62f0a238648b102f9951fa6f"),

"rlno" : 2.0,

"name" : "dharmesh"

}

**----------------------------------------------------------------------------------------------------------**

**16.insert record in save time**

use collage

db.createCollection("stud")

db.stud.insert(

{

"rlno":1,

"name":"ali"

})

db.stud.save(

{

"rlno":10,

"name":"hitesh"

})

db.stud.find()

**output**

{

"\_id" : ObjectId("62f0a445648b102f9951fa74"),

"rlno" : 1.0,

"name" : "ali"

}

{

"\_id" : ObjectId("62f0a48c648b102f9951fa75"),

"rlno" : 10.0,

"name" : "hitesh"

}

**----------------------------------------------------------------------------------------------------------**

**17. DISPLAY ALL DOCUMENTS USING FIND().**

use collage

db.createCollection("stud")

db.stud.insert(

{

"rlno":1,

"name":"ali"

}

)

db.stud.find()

**output:-**

{

"\_id" : ObjectId("62f0a6bc648b102f9951fa79"),

"rlno" : 1.0,

"name" : "ali"

}

**----------------------------------------------------------------------------------------------------------**

**18.display particular record in collections.**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"name":"ali",

"stream":"bcom"

},

{

"name":"bhautik",

"stream":"mscit"

},

{

"name":"bhargav",

"stream":"bca"

}])

db.stud.find({stream:"mscit"})

**output**

{

"\_id" : ObjectId("62f0a915648b102f9951fa7d"),

"name" : "bhautik",

"stream" : "mscit"

}

**----------------------------------------------------------------------------------------------------------**

**19.pretty command**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"name":"ali",

"stream":"bcom"

},

{

"name":"bhautik",

"stream":"mscit"

}

])

db.stud.find().pretty()

**output:-**

{

"\_id" : ObjectId("62f0b1d9648b102f9951fa89"),

"name" : "ali",

"stream" : "bcom"

}

{

"\_id" : ObjectId("62f0b1d9648b102f9951fa8a"),

"name" : "bhautik",

"stream" : "mscit"

}

**-----------------------------------------------------------**

**20. print data json formate**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"name":"ali",

"stream":"bcom"

},

{

"name":"bhautik",

"stream":"mscit"

}

])

db.stud.find().pretty().forEach(printjson)

**output:-**

{

"\_id" : ObjectId("62f0b1d9648b102f9951fa89"),

"name" : "ali",

"stream" : "bcom"

}

{

"\_id" : ObjectId("62f0b1d9648b102f9951fa8a"),

"name" : "bhautik",

"stream" : "mscit"

}

**----------------------------------------------------------------------------------------------------------**

**21. remove insert data in collections.**

use collage

db.createCollection("stud")

db.stud.remove({})

**output:-**

Removed 2 record(s) in 1ms

**----------------------------------------------------------------------------------------------------------**

**22.count method use limit(),skip(),quary**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":1,

"name":"dharmesh",

"stream":"MCA"

},

{

"rlno":2,

"name":"bhautik",

"stream":"MCA"

},

{

"rlno":3,

"name":"hitesh",

"stream":"MCA"

}

])

db.stud.find().count()

db.stud.count({stream:"MCA"})

db.stud.find({stream:"MCA"}).limit(2).count(true)

**output**

3

3

2

**----------------------------------------------------------------------------------------------------------**

**update program**

**23.UPDATE A SINGLE DOCUMENT**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":1,

"name":"dharmesh",

"salary":50000

}

])

db.stud.update({rlno:2},{$set:{salary:100000}})

db.stud.find()

**output**

{

"\_id" : ObjectId("62f3310c2af34e840204f17a"),

"rlno" : 1.0,

"name" : "dharmesh",

"salary" : 100000.0

}

**----------------------------------------------------------------------------------------------------------**

**24. update multiple documents in MongoDB by using update()**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":1,

"name":"dharmesh",

"stream":"mca"

},

{

"rlno":2,

"name":"bhautik",

"stream":"mca"

},

{

"rlno":3,

"name":"bhautik",

"stream":"mca"

}

])

db.stud.update({stream:"mca"},{$set:{stream:"mscit"}},{multi:true})

db.stud.find()

**output:-**

{

"\_id" : ObjectId("62f334682af34e840204f17f"),

"rlno" : 1.0,

"name" : "dharmesh",

"stream" : "mscit"

}

{

"\_id" : ObjectId("62f334682af34e840204f180"),

"rlno" : 2.0,

"name" : "bhautik",

"stream" : "mscit"

}

{

"\_id" : ObjectId("62f334682af34e840204f181"),

"rlno" : 3.0,

"name" : "bhautik",

"stream" : "mscit"

} "stream" : "mscit"

}

**----------------------------------------------------------------------------------------------------------**

**25. set operator with specific field**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":1,

"name":"dharmesh",

"stream":"mca"

},

{

"rlno":2,

"name":"bhautik",

"stream":"mca"

},

{

"rlno":3,

"name":"bhautik",

"stream":"mca"

}

])

db.stud.update({rlno:1},{$set:{stream:"mscit"}})

db.stud.find()

**output**

Updated 1 existing record(s) in 0ms

{

"\_id" : ObjectId("62f71ac43a6659a6f4ae9277"),

"rlno" : 1.0,

"name" : "dharmesh",

"stream" : "mscit"

}

{

"\_id" : ObjectId("62f71ac43a6659a6f4ae9278"),

"rlno" : 2.0,

"name" : "bhautik",

"stream" : "mca"

}

{

"\_id" : ObjectId("62f71ac43a6659a6f4ae9279"),

"rlno" : 3.0,

"name" : "bhautik",

"stream" : "mca"

}

**----------------------------------------------------------------------------------------------------------**

**26. unset operator with update**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":1,

"name":"dharmesh",

"stream":"mca"

},

{

"rlno":2,

"name":"bhautik",

"stream":"mca"

},

{

"rlno":3,

"name":"hitesh",

"stream":"mca"

}

])

db.stud.update({},{$unset:{rlno:"1"}})

db.stud.find()

**output**

Updated 1 existing record(s) in 0ms

{

"\_id" : ObjectId("63030c92221575dcff212d88"),

"name" : "dharmesh",

"stream" : "mca"

}

{

"\_id" : ObjectId("63030c92221575dcff212d89"),

"rlno" : 2.0,

"name" : "bhautik",

"stream" : "mca"

}

{

"\_id" : ObjectId("63030c92221575dcff212d8a"),

"rlno" : 3.0,

"name" : "hitesh",

"stream" : "mca"

}

**----------------------------------------------------------------------------------------------------------**

**27.$inc (increament) in particular field with update**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":2,

"name":"bhautik",

"salary":100000

}

])

db.stud.update({name:"bhautik"},{$inc:{salary:100000}})

db.stud.find()

output

Updated 1 existing record(s) in 1ms

{

"\_id" : ObjectId("63031202221575dcff212d8f"),

"rlno" : 2.0,

"name" : "bhautik",

"salary" : 200000.0

}

**----------------------------------------------------------------------------------------------------------**

**28. $rename operator is used to updates the name of a field**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":1,

"name":"dharmesh",

"salary":10000

},

{

"rlno":2,

"name":"bhautik",

"salary":100000

},

{

"rlno":3,

"name":"hitesh",

"salary":1000

}

])

db.stud.update({rlno:{$gt:0}},{$rename:{rlno:'rollno'}},{multi:true})

db.stud.find()

**output**

Updated 3 existing record(s) in 1ms

{

"\_id" : ObjectId("63031724221575dcff212d97"),

"name" : "dharmesh",

"salary" : 10000.0,

"rollno" : 1.0

}

{

"\_id" : ObjectId("63031724221575dcff212d98"),

"name" : "bhautik",

"salary" : 100000.0,

"rollno" : 2.0

}

{

"\_id" : ObjectId("63031724221575dcff212d99"),

"name" : "hitesh",

"salary" : 1000.0,

"rollno" : 3.0

}

**----------------------------------------------------------------------------------------------------------**

**29. Remove () method is used to remove a document from the collection**

**DELETE ALL DOCUMENT FROM STUD COLLECTION**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":1,

"name":"dharmesh",

"salary":10000

},

{

"rlno":2,

"name":"bhautik",

"salary":100000

},

{

"rlno":3,

"name":"hitesh",

"salary":1000

}

])

db.stud.remove({})

**output**

Removed 3 record(s) in 1ms

**----------------------------------------------------------------------------------------------------------**

**30. DELETE ONE DOCUMENT WHO IS IN MSCIT.{justone}**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":1,

"name":"dharmesh",

"stream":"MCA"

},

{

"rlno":2,

"name":"bhautik",

"stream":"MCA"

},

{

"rlno":3,

"name":"hitesh",

"stream":"MCA"

}

])

db.stud.remove({"stream":"MCA"},{justOne : 1})

db.stud.find()

**output**

Removed 1 record(s) in 1ms

{

"\_id" : ObjectId("63031ceb221575dcff212da1"),

"rlno" : 2.0,

"name" : "bhautik",

"stream" : "MCA"

}

{

"\_id" : ObjectId("63031ceb221575dcff212da2"),

"rlno" : 3.0,

"name" : "hitesh",

"stream" : "MCA"

}

**----------------------------------------------------------------------------------------------------------**

**31. DELETE ALL DOCUMENT WHERE RLNO > 1**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":1,

"name":"dharmesh",

"stream":"MCA"

},

{

"rlno":2,

"name":"bhautik",

"stream":"MCA"

},

{

"rlno":3,

"name":"hitesh",

"stream":"MCA"

}

])

db.stud.remove({rlno:{$gt:1}})

db.stud.find()

**output**

Removed 2 record(s) in 1ms

{

"\_id" : ObjectId("63031e08221575dcff212da6"),

"rlno" : 1.0,

"name" : "dharmesh",

"stream" : "MCA"

}

**----------------------------------------------------------------------------------------------------------**

**32. DELETE ONE DOCUMENT FROM STUD COLLECTION WHO ARE IN MCA.**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":1,

"name":"dharmesh",

"stream":"MCA"

},

{

"rlno":2,

"name":"bhautik",

"stream":"MCA"

},

{

"rlno":3,

"name":"hitesh",

"stream":"MCA"

}

])

db.stud.deleteOne({stream:"MCA"})

db.stud.find()

**output**

{

"acknowledged" : true,

"deletedCount" : 1.0

}

{

"\_id" : ObjectId("630320bb221575dcff212db0"),

"rlno" : 2.0,

"name" : "bhautik",

"stream" : "MCA"

}

{

"\_id" : ObjectId("630320bb221575dcff212db1"),

"rlno" : 3.0,

"name" : "hitesh",

"stream" : "MCA"

}

**----------------------------------------------------------------------------------------------------------**

**33.MongoDB's deleteMany () method is used to remove a more than one**

**Document from the collection**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":1,

"name":"dharmesh",

"stream":"MCA"

},

{

"rlno":2,

"name":"bhautik",

"stream":"MCA"

},

{

"rlno":3,

"name":"hitesh",

"stream":"MCA"

}

])

db.stud.deleteMany({stream:"MCA"})

**output**

{

"acknowledged" : true,

"deletedCount" : 3.0

}

**----------------------------------------------------------------------------------------------------------**

**34. Limit () provides the limitations of documents to be displayed in MongoDB.**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":1,

"name":"dharmesh",

"stream":"MCA"

},

{

"rlno":2,

"name":"bhautik",

"stream":"MCA"

},

{

"rlno":3,

"name":"hitesh",

"stream":"MCA"

}

])

db.stud.find().limit(2)

db.stud.find({rlno:{$gt:1}}).limit(1)

**output**

{

"\_id" : ObjectId("6305b030c8d65abcad5638d8"),

"rlno" : 1.0,

"name" : "dharmesh",

"stream" : "MCA"

}

{

"\_id" : ObjectId("6305b859c8d65abcad5638df"),

"rlno" : 2.0,

"name" : "bhautik",

"stream" : "MCA"

}

**-----------------------------------------------------------**

**35.Skip () methods provides a facility to skip the documents from total documents**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":1,

"name":"dharmesh",

"stream":"MCA"

},

{

"rlno":2,

"name":"bhautik",

"stream":"MCA"

},

{

"rlno":3,

"name":"hitesh",

"stream":"MCA"

}

])

db.stud.find().skip(2).pretty()

db.stud.find({rlno: {$gt:1}}).limit(2).skip(1).pretty()

**output**

{

"\_id" : ObjectId("6305b859c8d65abcad5638e0"),

"rlno" : 3.0,

"name" : "hitesh",

"stream" : "MCA"

}

**----------------------------------------------------------------------------------------------------------**

**36.Sort () methods used to arrange document either in ascending or descending order.**

**->used 1 for ascending order**

**->used -1 for descending order**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":1,

"name":"dharmesh",

"stream":"MCA"

},

{

"rlno":2,

"name":"bhautik",

"stream":"MCA"

},

{

"rlno":3,

"name":"hitesh",

"stream":"MCA"

}

])

db.stud.find().sort({rlno:1})

db.stud.find().sort({rlno :-1}).pretty()

**output**

**ascending order**

{

"\_id" : ObjectId("6305ba58c8d65abcad5638e1"),

"rlno" : 1.0,

"name" : "dharmesh",

"stream" : "MCA"

}

{

"\_id" : ObjectId("6305ba58c8d65abcad5638e2"),

"rlno" : 2.0,

"name" : "bhautik",

"stream" : "MCA"

}

{

"\_id" : ObjectId("6305ba58c8d65abcad5638e3"),

"rlno" : 3.0,

"name" : "hitesh",

"stream" : "MCA"

}

**distending order**

{

"\_id" : ObjectId("6305ba58c8d65abcad5638e3"),

"rlno" : 3.0,

"name" : "hitesh",

"stream" : "MCA"

}

{

"\_id" : ObjectId("6305ba58c8d65abcad5638e2"),

"rlno" : 2.0,

"name" : "bhautik",

"stream" : "MCA"

}

{

"\_id" : ObjectId("6305ba58c8d65abcad5638e1"),

"rlno" : 1.0,

"name" : "dharmesh",

"stream" : "MCA"

}

**----------------------------------------------------------------------------------------------------------**

**AGGREGATION IN MONGODB**

**37. COUNT WITH AGGREGATION:**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":1,

"name":"dharmesh",

"stream":"MCA"

},

{

"rlno":2,

"name":"bhautik",

"stream":"MCA"

},

{

"rlno":3,

"name":"hitesh",

"stream":"MCA"

}

])

db.stud.find().count() //simple count

db.stud.aggregate([]) //simple aggregate

db.stud.aggregate([]).toArray().length // aggregate count with array

**output**

3

**38. $match WITH AGGREGATION:**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":1,

"name":"dharmesh",

"stream":"MCA",

"city":"ahmadabad"

},

{

"rlno":2,

"name":"bhautik",

"stream":"MCA",

"city":"Rajkot"

},

{

"rlno":3,

"name":"hitesh",

"stream":"MCA",

"city":"Rajkot"

}

])

db.stud.find({city:"Rajkot"}).pretty();

db.stud.aggregate({ $match:{city:"Rajkot"}}).pretty();

**output**

{

"\_id" : ObjectId("631c2a9b140c166845220220"),

"rlno" : 2.0,

"name" : "bhautik",

"stream" : "MCA",

"city" : "Rajkot"

}

{

"\_id" : ObjectId("631c2a9b140c166845220221"),

"rlno" : 3.0,

"name" : "hitesh",

"stream" : "MCA",

"city" : "Rajkot"

}

---------------------------------------------------------------------------------------------------------------------------------------------

**39. $match WITH $lt AGGREGATION:**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":1,

"name":"dharmesh",

"stream":"MCA",

"city":"ahmadabad",

"percentage":50

},

{

"rlno":2,

"name":"bhautik",

"stream":"MCA",

"city":"Rajkot",

"percentage":90

},

{

"rlno":3,

"name":"hitesh",

"stream":"MCA",

"city":"Rajkot",

"percentage":70

}

])

db.stud.find({percentage:{$lt:60}}).pretty()

db.stud.aggregate({$match:{percentage:{$lt:60}}}).pretty();

**output**

{

"\_id" : ObjectId("63200b38f5a060a4903dd9af"),

"rlno" : 1.0,

"name" : "dharmesh",

"stream" : "MCA",

"city" : "ahmadabad",

"percentage" : 50.0

}

**40. $match WITH $ne AGGREGATION:**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":1,

"name":"dharmesh",

"stream":"MCA",

"city":"ahmadabad",

"percentage":50

},

{

"rlno":2,

"name":"bhautik",

"stream":"MCA",

"city":"Rajkot",

"percentage":90

},

{

"rlno":3,

"name":"hitesh",

"stream":"MCA",

"city":"Rajkot",

"percentage":70

}

])

db.stud.find({city:{$ne:"Rajkot"}}).pretty();

db.stud.aggregate({$match:{city:{$ne:"Rajkot"}}}).pretty();

**output**

{

"\_id" : ObjectId("63200b38f5a060a4903dd9af"),

"rlno" : 1.0,

"name" : "dharmesh",

"stream" : "MCA",

"city" : "ahmadabad",

"percentage" : 50.0

}

**41. $group AGGREGATION:**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":1,

"name":"dharmesh",

"stream":"MCA",

"city":"ahmadabad",

"percentage":50,

"state":"Rajasthan"

},

{

"rlno":2,

"name":"bhautik",

"stream":"MCA",

"city":"Rajkot",

"state":"gujrat",

"percentage":90

},

{

"rlno":3,

"name":"hitesh",

"stream":"MCA",

"city":"Rajkot",

"percentage":70,

"state":"Rajasthan"

}

])

db.stud.aggregate(

{

$group:{\_id:"$state", minPercentage:{$min:"$percentage"}}

}

);

**Output**

{

"\_id" : "gujrat",

"minPercentage" : 90.0

}

{

"\_id" : "Rajasthan",

"minPercentage" : 50.0

}

---------------------------------------------------------------------------------------------------------------------------------------------

**42. $sort AGGREGATION(assending and disending)**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":1,

"name":"dharmesh",

"stream":"MCA",

"city":"ahmadabad",

"percentage":50,

"state":"Rajasthan"

},

{

"rlno":2,

"name":"bhautik",

"stream":"MCA",

"city":"Rajkot",

"state":"gujrat",

"percentage":90

},

{

"rlno":3,

"name":"hitesh",

"stream":"MCA",

"city":"Rajkot",

"percentage":70,

"state":"Rajasthan"

}

])

db.stud.aggregate({$sort:{percentage:1}})

db.stud.aggregate({$sort:{percentage:-1}})

**output:**

{

"\_id" : ObjectId("63201122f5a060a4903dd9b5"),

"rlno" : 1.0,

"name" : "dharmesh",

"stream" : "MCA",

"city" : "ahmadabad",

"percentage" : 50.0,

"state" : "Rajasthan"

}

{

"\_id" : ObjectId("63201122f5a060a4903dd9b7"),

"rlno" : 3.0,

"name" : "hitesh",

"stream" : "MCA",

"city" : "Rajkot",

"percentage" : 70.0,

"state" : "Rajasthan"

}

{

"\_id" : ObjectId("63201122f5a060a4903dd9b6"),

"rlno" : 2.0,

"name" : "bhautik",

"stream" : "MCA",

"city" : "Rajkot",

"state" : "gujrat",

"percentage" : 90.0

}

**Disendding**

{

"\_id" : ObjectId("63201122f5a060a4903dd9b6"),

"rlno" : 2.0,

"name" : "bhautik",

"stream" : "MCA",

"city" : "Rajkot",

"state" : "gujrat",

"percentage" : 90.0

}

{

"\_id" : ObjectId("63201122f5a060a4903dd9b7"),

"rlno" : 3.0,

"name" : "hitesh",

"stream" : "MCA",

"city" : "Rajkot",

"percentage" : 70.0,

"state" : "Rajasthan"

}

{

"\_id" : ObjectId("63201122f5a060a4903dd9b5"),

"rlno" : 1.0,

"name" : "dharmesh",

"stream" : "MCA",

"city" : "ahmadabad",

"percentage" : 50.0,

"state" : "Rajasthan"

}

**43. $skip AGGREGATION:**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":1,

"name":"dharmesh",

"stream":"MCA",

"city":"ahmadabad",

"percentage":50,

"state":"Rajasthan"

},

{

"rlno":2,

"name":"bhautik",

"stream":"MCA",

"city":"Rajkot",

"state":"gujrat",

"percentage":90

},

{

"rlno":3,

"name":"hitesh",

"stream":"MCA",

"city":"Rajkot",

"percentage":70,

"state":"Rajasthan"

}

])

db.stud.aggregate({$skip:2})

**Output:**

{

"\_id" : ObjectId("63201122f5a060a4903dd9b7"),

"rlno" : 3.0,

"name" : "hitesh",

"stream" : "MCA",

"city" : "Rajkot",

"percentage" : 70.0,

"state" : "Rajasthan"

}

**44. $limit AGGREGATION:**

use collage

db.createCollection("stud")

db.stud.insertMany([

{

"rlno":1,

"name":"dharmesh",

"stream":"MCA",

"city":"ahmadabad",

"percentage":50,

"state":"Rajasthan"

},

{

"rlno":2,

"name":"bhautik",

"stream":"MCA",

"city":"Rajkot",

"state":"gujrat",

"percentage":90

},

{

"rlno":3,

"name":"hitesh",

"stream":"MCA",

"city":"Rajkot",

"percentage":70,

"state":"Rajasthan"

}

])

db.stud.aggregate({$limit:2})

**output**

{

"\_id" : ObjectId("63201122f5a060a4903dd9b5"),

"rlno" : 1.0,

"name" : "dharmesh",

"stream" : "MCA",

"city" : "ahmadabad",

"percentage" : 50.0,

"state" : "Rajasthan"

}

{

"\_id" : ObjectId("63201122f5a060a4903dd9b6"),

"rlno" : 2.0,

"name" : "bhautik",

"stream" : "MCA",

"city" : "Rajkot",

"state" : "gujrat",

"percentage" : 90.0

}

----------------------------------------------------------------------------------------------------------------------------------------------

**MONGODB DATABASE**

**Window 7 and php version low**

**45. connection.php(static data)**

<?php

$m= new MongoClient();

echo "connection to database successfully";

$db=$m->mydbs;

echo "<br> database mydb is selected";

$collection =$db->createCollection("mydb");

echo "<br> collection created successfully";

?>

**46. insert.php**

<?php

    $m=new MongoClient();

    echo "connection to database successfully";

    $db=$m->mydb;

    echo "Database mydb is selected";

    $collection=$db->emp;

    echo "collection created successfully";

    $document=array("emp"=>"MEET","salary"=>"8000");

    $collection->insert($document);

    echo "document inserted successfully";

?>

**47. delete.php**

<?php

$m= new MongoClient();

echo "<br>connection to database successfully";

$db=$m->mydb;

echo "<br>database  selected";

$collection = $db->emp;

echo "<br>collection selected successfully";

$collection->remove(array("empnm"=>"MEET"));

echo "<br>documents deleted successfully";

$cursor =$collection->find();

echo "<br>Updated document";

 ?>

**48. update.php**

<?php

    $m=new MongoClient();

    echo "connection to database sucessfully";

    $db=$m->mydb;

    echo "Database is selected";

    $collection=$db->emp;

    echo "collection created successfully";

    $collection->update(array("empnm"=>"hemang"),

    array('$set'=>array("empnm"=>"mital","salary"=>9000)));

    echo "document updated successfully";

?>

FORM DATABASE

**48. form.php**

<html>

<body align="center">

    <form action="MongoConnection1.php" method="post">

        <h1>Employee sheet</h1>

        <table border="2" align="center">

            <tr>

                <td>Enter employee no:-</td>

                <td> <input type="text" name="no" /></td>

            </tr>

            <tr>

                <td>Enter employee name:-</td>

                <td> <input type="text" name="nm" /></td>

            </tr>

            <tr>

                <td>Enter employee salary:-</td>

                <td> <input type="text" name="sal" /></td>

            </tr>

            <tr>

                <td colspan="2">

                    <input type="submit" name="insert" value="Insert" />

                </td>

            </tr>

    </form>

</body>

</html>

**49. Mongoconnecation.php**

<?php

$no=$\_POST['no'];

$nm=$\_POST['nm'];

$sal=$\_POST['sal'];

$m = new MongoClient();

$db = $m->hns;

echo "Connection successfully";

$coll = $db->emp;

echo "Database is found is here";

  $data = array('empno' => $no,'empnm' => $nm,'salary'=> $sal);

$coll->insert($data);

echo "Insert Successfully";

header('Location:/PROGRAMS\_ALL/Record/displaydata1.php');

?>